

## CLAIMS

We claim:

- 5      1. A poured concrete material having a plastic film embedded in the concrete to control cracking.
- 10     2. The poured concrete material according to claim 1, wherein the plastic film has a thickness between 1 mil and 10 mil.
- 15     3. The poured concrete material according to claim 1, wherein the plastic film material extends from about the top surface of the concrete to a depth of from one quarter of the thickness to the full depth.
- 20     4. A method of placing concrete comprising the steps of:  
          pouring a section of concrete;  
          inserting a film material into the concrete before it completely hardens;  
          wherein the film material forms a plane of weakness in the concrete after  
          hardening to control cracking.
- 25     5. The method of placing concrete according to claim 4, wherein the film material has a thickness between 1 mil and 10 mil.
6. The method of placing concrete according to claim 4, wherein the film material extends from about the top surface of the concrete to a depth of from one quarter of the thickness to the full depth.
7. A joint material adapted to be embedded in concrete to control cracking comprising:  
          a film material whereas the film material creates a plane of weakness in the concrete.

8. The joint material according to claim 7, wherein the film material has a thickness between 1 mil and 10 mil.

5       9. The joint material according to claim 7, wherein the film material extends from about the top surface of the concrete to a depth of from one quarter of the thickness to the full depth.

10      10. A tool for embedding a film material inside concrete comprising:

          a plate for contacting the upper surface of the concrete;  
          a spool for storing the film material prior to embedding; and  
          a housing for inserting the film material under the upper surface of the concrete.

11      11. The tool for embedding a film material inside concrete according to claim 10 further comprising vibration means to aid in inserting the film material.

15      12. A concrete control joint in concrete comprising a film material embedded in the concrete.

13      13. The concrete control joint according to claim 12, wherein the film material has a thickness from 1 mil to 10 mil.

20      14. The concrete control joint according to claim 12 wherein the film material extends vertically within the concrete from the top surface to a depth from one-quarter of the thickness of the concrete to the full depth.